

IAP10 Rec'd PCT/PTO 29 DEC 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 2354/370 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/562778</b>
INTERNATIONAL APPLICATION NO. PCT/AU2004/000873	INTERNATIONAL FILING DATE 30 June 2004 (30.06.2004)	PRIORITY DATE CLAIMED 01 July 2003 (1.07.2003)
TITLE OF INVENTION METHODS AND COMPOSITIONS FOR TREATING DISORDERS OF THE EXTRACELLULAR MATRIX		
APPLICANT(S) FOR DO/EO/US ZHONGLIN, Chai		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/562778</b>		INTERNATIONAL APPLICATION NO. PCT/AU2004/000873		ATTORNEY'S DOCKET NUMBER 2354/370	
20. Other items or information: <b>UNSIGNED Comb.Dec.&amp; Power of Attorney; copy of Prelim. Rpt on Patentability</b>					
The following fees have been submitted				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500				\$ 500.00	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>1,000.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequencing in compliance with 37 CFR 1.821(d) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
30 - 100 =	-70 / 50 =		x \$250	\$ 0.00	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	32 - 20 =	12	x \$ 50	\$ 600.00	
Independent claims	6 - 3 =	3	x \$200	\$ 600.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 0.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 2,330.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				0.00	
<b>SUBTOTAL =</b>				<b>\$ 2,330.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ 0.00	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 2,330.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0.00	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 2,330.00</b>	
				Amount to be refunded	\$
				Amount to be charged	\$

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

APR 20 2005 PTO 29 DEC 2005

- a. ☒ A check in the amount of \$ 2,330.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1138. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Edwin V. Merkel  
Nixon Peabody LLP  
Clinton Square, P.O. Box 31051  
Rochester, NY 14603-1051  
United States of America

  
SIGNATURE

Edwin V. Merkel  
NAME

40,087  
REGISTRATION NUMBER

10/562778

IAF20 REC'D PCT/PTO 28 DEC 2005

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 2354/370 (FF38844/05)

APPLICANT: ZHONGLIN, Chai

TITLE: METHODS AND COMPOSITIONS FOR TREATING DISORDERS OF THE  
EXTRACELLULAR MATRIX

Certificate is attached to the Transmittal Letter to the U.S. Designated/Elected  
Office (DO/EO/US) of the above-named application.

“EXPRESS MAIL” NUMBER: EV685738189US

DATE OF DEPOSIT: December 29, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal  
Service “Express Mail Post Office to Addressee” service under 37 CFR 1.10 on the date indicated  
above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria,  
VA 22313-1450.

Shawn A. Lockett

(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper or  
fee)

10/562778

IAP20 Rec'd PCT/PTO 29 DEC 2005

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 2354/370 (FF38844/05)

APPLICANT: ZHONGLIN, Chai

TITLE: METHODS AND COMPOSITIONS FOR TREATING DISORDERS OF THE  
EXTRACELLULAR MATRIX

Certificate is attached to the Preliminary Amendment (7 pages) of the above-named application.

"EXPRESS MAIL" NUMBER: EV685738189US

DATE OF DEPOSIT: December 29, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Shawn A. Lockett

(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper or  
fee)

10/562778

IAP20 Rec'd PCT/PTO 29 DEC 2005

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 2354/370 (FF38844/05)

APPLICANT: ZHONGLIN, Chai

TITLE: METHODS AND COMPOSITIONS FOR TREATING DISORDERS OF THE  
EXTRACELLULAR MATRIX

Certificate is attached to the Information Disclosure Statement (2 pages),  
PTO/SB/08A form, and PCT Search Report (2 pages) of the above-named application.

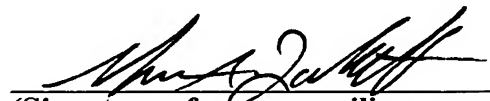
"EXPRESS MAIL" NUMBER: EV685738189US

DATE OF DEPOSIT: December 29, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Shawn A. Lockett

(Typed or printed name of person  
mailing paper or fee)



(Signature of person mailing paper or  
fee)

10/562778  
IAP20 Rec'd PCT/PTO 29 DEC 2005

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 2354/370 (FF38844/05)

APPLICANT: ZHONGLIN, Chai

TITLE: METHODS AND COMPOSITIONS FOR TREATING DISORDERS OF THE  
EXTRACELLULAR MATRIX

Certificate is attached to the Application Data Sheet (2 pages) of the above-named application.

"EXPRESS MAIL" NUMBER: EV685738189US

DATE OF DEPOSIT: December 29, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Shawn A. Lockett  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper or  
fee)

10/562778

IAP20 Rec'd PCT/PTO 29 DEC 2005

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 2354/370 (FF38844/05)

APPLICANT: ZHONGLIN, Chai

TITLE: METHODS AND COMPOSITIONS FOR TREATING DISORDERS OF THE  
EXTRACELLULAR MATRIX

Certificate is attached to the UNSIGNED Combined Declaration and Power of  
Attorney (2 pages) of the above-named application.

"EXPRESS MAIL" NUMBER: EV685738189US

DATE OF DEPOSIT: December 29, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal  
Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date  
indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450.

Shawn A. Lockett

(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper or  
fee)



10/562778

IAP20 Rec'd PCT/PTO 29 DEC 2005

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 2354/370 (FF38844/05)

APPLICANT: ZHONGLIN, Chai

TITLE: METHODS AND COMPOSITIONS FOR TREATING DISORDERS OF THE  
EXTRACELLULAR MATRIX

Certificate is attached to the International Preliminary Report on Patentability  
(4 pages) of the above-named application.

“EXPRESS MAIL” NUMBER: EV685738189US

DATE OF DEPOSIT: December 29, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal  
Service “Express Mail Post Office to Addressee” service under 37 CFR 1.10 on the date  
indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450.

Shawn A. Lockett  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper or  
fee)